

**MAIL TO:**

STATE OF UTAH  
DIVISION OF PURCHASING  
3150 STATE OFFICE BUILDING, CAPITOL HILL  
P.O. BOX 141061  
SALT LAKE CITY, UTAH 84114-1061  
TELEPHONE (801) 538-3026  
<http://purchasing.utah.gov>

**Invitation to Bid**Solicitation Number: **LK4002**Due Date: **06/24/03 at 2:00 PM**

Date Sent: June 3, 2003

Goods and services to be

**ALL TERRAIN SNOWCAT - BOMBARDIER BR180 OR EQUAL****Please complete**

|   |  |                                   |          |
|---|--|-----------------------------------|----------|
| Company Name  |  | Federal Tax Identification Number |          |
| Ordering Address  | City   | State                             | Zip Code |
| Remittance Address (if different from ordering address)   | City   | State                             | Zip Code |
| Type<br><input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Proprietorship <input type="checkbox"/> Government   | Company Contact Person   |                                   |          |
| Telephone Number (include area code)  | Fax Number (include area code)   |                                   |          |
| Company's Internet Web Address  | Email Address  |                                   |          |
| Discount Terms (for bid purposes, bid discounts less than 30 days will not be considered)   | Days Required for Delivery After Receipt of Order (see attached for any required minimums) |                                   |          |
| <p>The following documents are included in this solicitation: Solicitation forms, instructions and general provisions, and specifications. <u>Please review all documents carefully before completing.</u></p> <p>The undersigned certifies that the goods or services offered are produced, mined, grown, manufactured, or performed in Utah.<br/>Yes_____ No_____. If no, enter where produced, etc._____</p> |  |                                   |          |
| Offeror's Authorized Representative's Signature   |  | Date                              |          |
| Type or Print Name  |  | Position or Title                 |          |

**STATE OF UTAH  
DIVISION OF PURCHASING**

**Invitation to Bid**

**Solicitation Number: LK4001**

**Due Date: 6/24/03@2:00PM**

**Vendor Name:**

| Item# | Qty | Unit | Description   | Unit Price | Extension |
|-------|-----|------|---|------------|-----------|
| 001   | 1   | EA   | ONE ALL-TERRAIN SNOWCAT - BOMBARDIER BR180 (OR EQUAL) PER SPECIFICATIONS. | \$         | \$        |

FOR TECHNICAL QUESTIONS, CALL FRED HAYES, OHV COORD. AT (801) 538-7435.  
REFERENCE RX # 560 44000000002.

F.O.B. DESTINATION

**TO BE DELIVERED AFTER JULY 1, 2003.**

**Ship To:** DEPT. OF NATURAL RESOURCES - DIV. OF PARKS & RECREATION  
1594 W NORTH TEMPLE #116  
SALT LAKE CITY UT 84116

**FREIGHT CHARGES (if applicable)**

|  |    |
|--|----|
| SHIPPING POINT AND ZIP CODE  |    |
| SHIPPING WEIGHT  |    |
| MODE OF TRANSPORTATION (Please check one)  |    |
| <input type="checkbox"/> Small package/Ground <input type="checkbox"/> LTL(Less than truck load) <input type="checkbox"/> Truckload <input type="checkbox"/> Air <input type="checkbox"/> Other (Please specify) |    |
| NMFC Class # _____   |    |
| NMFC Item # _____  |    |
| TOTAL PRICE LESS FREIGHT (FOB Origin)  | \$ |
| TOTAL PRICE INCLUDING FREIGHT (FOB Destination)  | \$ |

## INVITATION TO BID - INSTRUCTION AND GENERAL PROVISIONS

**1. BID PREPARATION:** (a) All prices and notations must be in ink or typewritten. (b) Price each item separately. Unit price shall be shown and a total price shall be entered for each item bid. Errors may be crossed out and corrections printed in ink or typewritten adjacent and must be initialed in ink by person signing quotation. (c) Unit price will govern, if there is an error in the extension. (d) Delivery time is critical and must be adhered to as specified. (e) Wherever in this document an item is defined by using a trade name of a manufacturer and/or model number, it is intended that the words, "or equivalent" apply. "Or equivalent" means any other brand that is equal in use, quality, economy and performance to the brand listed as determined by the Division of Purchasing & General Services (DIVISION). If the vendor lists a trade name and/or catalog number in the bid, the DIVISION will assume the item meets the specifications unless the bid clearly states it is an alternate, and describes specifically how it differs from the item specified. All bids must include complete manufacturer's descriptive literature if quoting an equivalent product. All products are to be of new, unused condition, unless otherwise requested in this solicitation. (f) By signing the bid the vendor certifies that all of the information provided is accurate, that they are willing and able to furnish the item(s) specified, and that prices quoted are correct. (g) This bid may not be withdrawn for a period of 60 days from bid due date.

**2. SUBMITTING THE BID:** (a) The bid must be signed in ink, sealed in a properly-addressed envelope, and either mailed or delivered to the DIVISION OF PURCHASING, 3150 State Office Building, Capitol Hill, Salt Lake City, UT 84114-1061 by the "Due Date and Time." **The "Bid Number" and "Due Date" must appear on the outside of the envelope.** (b) Bids, modifications, or corrections received after the closing time on the "Due Date" will be considered late and handled in accordance with the Utah Procurement Rules, section R33-3-109. (c) **Your bid will be considered only if it is submitted on the forms provided by the state. Facsimile transmission of bids to DIVISION will not be considered.** (d) All prices quoted must be both F.O.B. Origin per paragraph 1.(c) and F.O.B. Destination. Additional charges including but not limited to delivery, drayage, express, parcel post, packing, cartage, insurance, license fees, permits, costs of bonds, or for any other purpose must be included in the bid for consideration and approval by the DIVISION. Upon award of the contract, the shipping terms will be F.O.B. Destination, Freight Prepaid with freight charges to be added to the invoice unless otherwise specified by the DIVISION.

**3. SOLICITATION AMENDMENTS:** All changes to this solicitation will be made through written addendum only. Bidders are cautioned not to consider verbal modifications.

**4. PROPRIETARY INFORMATION:** Suppliers are required to mark any specific information contained in their bid which is not to be disclosed to the public or used for purposes other than the evaluation of the bid. Each request for nondisclosure must be accompanied by a specific justification explaining why the information is to be protected. Pricing and service elements of any bid will not to be considered proprietary. Bids submitted may be reviewed and evaluated by any persons at the discretion of the state.

**5. SAMPLES:** Samples of item(s) specified in this bid, when required by DIVISION, must be furnished free of charge to DIVISION. Any item not destroyed by tests may, upon request made at the time the sample is furnished, to be returned at the bidder's expense.

**6. WARRANTY:** The contractor agrees to warrant and assume responsibility for all products (including hardware, firmware, and/or software products) that it licenses, contracts, or sells to the State of Utah under this contract for a period of one year, unless otherwise specified and mutually agreed upon elsewhere in this contract. The contractor (seller) acknowledges that all warranties granted to the buyer by the Uniform Commercial Code of the State of Utah applies to this contract. Product liability disclaimers and/or warranty disclaimers from the seller are not applicable to this contract unless otherwise specified and mutually agreed upon elsewhere in this contract. In general, the contractor warrants that: (1) the product will do what the salesperson said it would do, (2) the product will live up to all specific claims that the manufacturer makes in their advertisements, (3) the product will be suitable for the ordinary purposes for which such product is used, (4) the product will be suitable for any special purposes that the State has relied on the contractor's skill or judgement to consider when it advised the State about the product, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the State has not been warned. Remedies available to the State include the following: The contractor will repair or replace (at no charge to the State) the product whose nonconformance is discovered and made known to the contractor in writing. If the repaired and/or replaced product proves to be inadequate, or fails of its essential purpose, the contractor will refund the full amount of any payments that have been made. Nothing in this warranty will be construed to limit any rights or remedies the State of Utah may otherwise have under this contract.

**7. DIVISION APPROVAL:** Purchase orders placed, or contracts written, with the state of Utah, as a result of this bid, will not to be legally binding without the written approval of the director of the DIVISION.

**8. AWARD OF CONTRACT:** (a) the contract will be awarded with reasonable promptness, by written notice, to the lowest responsible bidder that meets the specifications. Consideration will be given to the quality of the product(s) to be supplied, conformity to the specifications, the purpose for which required, delivery time required, discount terms and other criteria set forth in this invitation to bid. (b) The bids are opened publicly in the presence of one or more witnesses. the name of each bidder, and the amount of the bid is recorded. Each bid, and the record, is open to public inspection. (c) The DIVISION may accept any item or group of items, or overall low bid. the DIVISION has the right to cancel this invitation to bid at any time prior to the award of contract. (d) The DIVISION can reject any and all bids. And it can waive any informality, or technicality in any bid received, if the DIVISION believes it would serve the best interest of the State. (e) Before, or after, the award of a contract the DIVISION has the right to inspect the bidder's premises and all business records to determine the holder's ability to meet contract requirements. (f) DIVISION does not guarantee to make any purchase under awarded contract(s). Estimated quantities are for bidding purposes only, and not to be interpreted as a guarantee to purchase any amount. (g) Utah has a reciprocal preference law which will be applied against bidders bidding products or services produced in states which discriminate against Utah products. For details see Section 63-56 20.5 -20.6, Utah Code Annotated.

**9. ANTI-DISCRIMINATION ACT:** The bidder agrees to abide by the provisions of the Utah Anti-discrimination Act, Title 34 Chapter 35, U.C.A. 1953, as amended, and Title VI and Title VII of the Civil Rights Act of 1964 (42 USC 2000e), which prohibit discrimination against any employee or applicant for employment, or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age, and Section 504 of the Rehabilitation Act of 1973 or the Americans with Disabilities Act of 1990, which prohibits discrimination on the basis of disabilities. Also bidder agrees to abide by Utah's Executive Order, dated March 17, 1993, which prohibits sexual harassment in the workplace. Vendor must include this provision in every subcontract or purchase order relating to purchases by the State of Utah to insure that the subcontractors and vendors are bound by this provision.

**10. DEBARMENT:** The CONTRACTOR certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract) by any governmental department or agency. If the CONTRACTOR cannot certify this statement, attach a written explanation for review by the STATE.

**11. GOVERNING LAWS AND REGULATIONS:** All state purchases are subject to the Utah Procurement Code, Title 63 Chapter 56 U.C.A. 1953, as amended, and the Procurement Regulations as adopted by the Utah State Procurement Policy Board. These are available on the Internet at [www.purchasing.utah.gov](http://www.purchasing.utah.gov) (Revision 14 Mar 2003 - IFB Instructions)

# **Specification for Snowcat – BR 180 2003**

**RX 560 34000000072**

**Specifications:** Specifications call for the purchase of two all-terrain snowcats per the manufacturer's specifications for the Bombardier BR 180 or equivalent.

Vehicle must be a two-track design, current year line production all-terrain vehicle, designed with a proven track record of high performance and reliability on snowmobile trails. Vehicle must also be capable of operating on varying conditions, including level bare ground, cross-country travel in rough mountainous terrain and in deep snow. Vehicle must be equipped with a front twelve way functioning blade, a hydrostatically driven rear tiller, and have a minimum of three complete auxiliary hydraulic circuit loops in addition to circuits involved in lift frame functions.

## **Warranty:**

The all-terrain vehicle and attachments must have a warranty against defects in materials and workmanship under normal use and service for parts and labor for one full year or 1,000 hours of operation, whichever occurs first; and for parts only for a second year or 2,000 hours of operation, whichever occurs first.

## **Chassis/Frame:**

Chassis and frame must be designed and rated to sustain severe loads and permit operation of heavy attachments in all terrains. The main frame must be constructed of strong, high-grade steel that has been stress analyzed and electronically welded. Transmission and assemblies must be fully protected from the elements and be accessible for repair and servicing from the top or by removable side panels. All attachment mounting points, both front and rear, are to be rigidly welded to the main frame.

## **Engine:**

The engine must be a liquid cooled, industrial rated, diesel fueled engine with four-cycle operation. It shall be turbo charged with direct injection and vertically installed.

- Number of Cylinders—4 or 6

- Power output: A minimum output of 180 HP at some point between 2000 and 2300 RPM (DIN or SAE).

Horsepower is a major concern. Bidders must be prepared to provide a 30-day trial period with adequate snow in various and extreme conditions in mountain terrain to evaluate the performance of the cat. If the cat does not perform, the bidder must provide a full refund. **The final decision on suitability shall be made by the Division of Parks and Recreation.**

- Minimum Torque: Must generate at least 440 foot-pounds at some point between 1200 and 1500 RPM.

- Fuel: Diesel

- Fuel/Water separator must be included

- Fuel consumption—4 to 7 gallons/hour (average)
- Fuel Tank capacity—67 U.S. Gallons (minimum) (12 hour operation minimum)
- Alternator—Voltage and amperage as to vehicle manufacturer's rating capable of operating all accessories being bid; i.e. lights, controls, two-way radio, etc.
- Battery- Two 12 volt batteries, each rated at 900 cold cranking amps (minimum) at 0 degrees Fahrenheit.

A cold starting system is required. Must be able to start on its own power with the assist of an overnight plug in system or additional system (or systems) necessary to start the engine at 30 degrees below zero Fahrenheit.

- Must have a muffling system for maximum noise reduction.
- Engine must have a complete engine covering for all parts and accessories insulated to provide reduced noise and heat transfer.

### **Instrumentation:**

Vehicle must have key type ignition switch with starter, oil pressure gauge, engine temperature gauge, tachometer, hour meter, fuel gauges, and other additional gauges as determined by manufacturer.

### **Electrical:**

- Vehicle shall be equipped with circuit breakers or fuses for overload protection of electrical circuits.
- Lighting: Four halogen headlights. If all headlights are roof mounted, vendor must provide adequate protection from tree or branch damage.
- Instrument and interior cab lights
- Roof mounted yellow strobe or rotating light/s with guards
- Roof mounted spotlight, hand controlled
- Windshield wipers: Two parallel action windscreen (front windshield) wipers, two-speed switch wipe function.
- Two outside rear view mirrors (electrically heated) with guards
- Back up alarm
- Horn system
- Heavy-duty combination heater and defroster
- Complete radio system with AM/FM cassette stereo with two speakers
- Engine heater (water) with socket for 110 volt
- All control switches for operation of power tiller shaft
- Electronic speed control for snow tiller
- Electronic switching for shaft rotation
- Electronic switch for floating setting for rear lift frame
- 2 Cigarette lighter/power points
- Microprocessor analyzer shall be supplied with vehicle

### **Body:**

#### **Two-person cab, forward design:**

Vehicle shall be equipped with a power tilt cab for easy servicing and repair without engine running. Cab must be a heavy-duty design and constructed of light weight steel, fiberglass and or combination of light weight steel and

fiberglass with floor, walls, and roof insulated with noise absorbent material for maximum noise reduction inside the cab. A large rear view mirror shall be placed inside the cab for good visibility. One rear window wiper shall be included on the driver side. Heated rear window on the driver's side. Instrument panel and all switches shall be clearly arranged and easily accessible for the operator. All controls and gauges shall be permanently identified as to function and condition (i.e. on/off, etc.). The front windshield shall be tinted and heated, and all cab glass shall be of hard safety type. Cab must be free of obstruction allowing clear view to the front, both sides and rear.

Cab shall have positive ventilation and auxiliary fan for additional defogging capability. Also must have heater/defroster for heat and defogging windshield with heavy-duty fan/heat or fresh air circulation.

Driver and passenger seat shall be a deluxe cushioned bucket type, and shall be fully adjustable. Each seat shall be equipped with a lap safety belt and upholstered with durable long-wearing material. Driver and passenger seat shall incorporate adequate shock suspension to reduce fatigue.

**Rear Platform:**

To be constructed from high grade steel or aluminum and covered with reinforced slip resistant aluminum. Must be a minimum of 24 square feet, and must be rated for a payload of not less than 1000 pounds capacity. Platform must be rubber mounted, and must be designed for easy access and raised by hydraulic or electric power.

**Running Gear:**

Must be rugged independent torsion type or walking beam suspension. Front axle shall have heavy-duty solid rubber tires. Other tires shall be solid rubber or urethane filled. The drive sprockets shall be urethane covered. The vehicle shall have proper gearing to provide a maximum road speed of 12 mph on smooth, hard and level surface.

**Tracks:**

One track on each side supporting the full weight of the vehicle, consisting of 4-ply rubber or synthetic fiber belts. Track width shall be a minimum of 37". Track grousers shall be fabricated from steel and shall be heat-treated. After forming and welding has been completed, grousers shall be dip coated with rust prevention paint. Grousers must be easily interchangeable for routine maintenance and repair. 50% of the grousers on each side are to be fitted with side hill brackets. Track grousers must be capable of being operated over mud, snow or dirt without excessive wear or breakage.

**Hydrostatic drives:**

Vehicle shall be equipped with a microprocessor controlled hydrostatic drive. Hydrostatic transmission shall be easily controlled and offer infinitely variable

speed control, a smooth transition from forward to reverse, precise steering control and hydrostatic braking. Steering shall be controlled by the following method: A steering wheel mounted in front of operators seat that independently controls the hydrostatic transmissions. A third and independent hydrostatic pump shall be installed to offer operation of hydraulically driven rear attachments. Vehicle must be able to travel on flat ground, at a top speed of 12 MPH, and shall be capable of a zero foot turning radius (turn about in its neutral axis).

Vehicle is to be equipped with an independent hydraulic system for a control valve (Joy stick control) located inside the cab and within easy reach for the operator to operate hydraulic attachments for front and rear, including all commercial hydraulic attachments available on market.

Front control must be capable of operating a 12-way dozer blade attachment (minimum) and the rear control must be capable of operating six function attachments. All couplings on the grooming implements must be quick release type.

**Brakes:**

The hydrostatic drive must also function as the main braking system. Vehicle must also be equipped with a fail-safe mechanically operated emergency park braking system. This brake must be designed to automatically apply if engine should stall or a major failure of main drive system occurs. It must be capable of applying stopping force of the weight of the vehicle with attachments.

**Paint:**

All components must be fully painted with all weather, high quality visible paint. Chassis/frame must be fully painted with rust preventive paint.

**Dimensions:**

Total length shall not exceed 143.5 inches. Total width with tracks shall not exceed 121 inches. Ground clearance shall be a minimum of 13 inches. Overall height shall not exceed 103 inches with tracks.

**Other Equipment:**

The following required equipment shall be provided:

- Mounted spare tire and wheel
- First aid kit
- Tire and/or track jack
- Ash tray
- Grab handles (driver and passenger front and rear)
- Driver and passenger sun visors
- Storage pocket
- Mud guards
- Fire extinguisher
- Tool kit

- Holders for two pair of skis (used for shovel storage)
- One spare filter for each filter (ie fuel, oil, hydraulic, etc)
- Two (2) tool /equipment storage boxes with minimum dimensions of 15”high x 18” wide x 48” long shall be mounted on the rear cargo deck.
- Dual cross country ski track setting equipment with controls

## **Attachments:**

### **Front Blade:**

Vehicle must be equipped with a 12 way function, 10 foot wide, U shaped front dozer blade (minimum). Blade must be constructed of high quality steel rigidly welded and painted with rust prevention paint. Blade at maximum cutting angle must cover the full width of vehicle in plowing position. Cutting edge is to be constructed of hardened steel with toothed cutting edge for hard snow. Blade shall be mounted in a mounting system that provides lift, tilt, roll and angle functions for implement control, and that can be manually operated for implement changing. Mount must be equipped with angle relief valves to provide pressure relief for striking unseen obstructions. Mounts on blade shall be constructed of high quality steel with all affecting joints rigidly welded and painted with quality rust prevention paint. Blade and mount shall include all necessary hydraulic hose and fittings ready for operation at time of delivery.

### **Tiller:**

Vehicle must be equipped with a hydrostatically driven tiller. Maximum width of the tiller is not to exceed 10 feet. The tiller must be easily attached or detached. All couplings on the tiller must be quick release type. Must be attached to a rear lift frame that will articulate side to side and up and down. Tiller must have hydraulically adjustable depth control. Both the tiller and the vending company must have a proven track record of successful performance for at least two years.

## **Parts:**

Vehicle supplier shall have a 24-hour, 7 day a week supply of parts and an on-call factory trained serviceman in case of breakdown. Service and replacement parts pricing must be competitive (+20%) with similar name brand parts and or service. Successful bidder shall supply three (3) English language version maintenance/operation, repair and parts manuals for all equipment being bid, to include engine parts and transmission parts manuals. Transmission repair manuals and machine wiring diagrams shall also be provided. A copy of specification, a brochure of the snow cat, all accessories and a copy of the current year price list (good for two years) for replacement parts must be submitted with the bid.

Operation manuals shall contain a summary of all components and operating principles that can be easily understood. It should identify a step-by-step procedure of operator inspections and routine maintenance schedules. Maintenance manuals shall contain a summary of regular inspections and a troubleshooting guide for emergency breakdowns.



Manuals should include disassembly/reassembly procedures, adjustment limits, troubleshooting and recommended corrective actions. They should identify all fluid types and replacement. Parts manuals shall identify all parts of the equipment and attachments with drawings and part numbers.

**Delivery:**

Delivery to the Utah Division of Parks and Recreation, 1594 West North Temple, Salt Lake City, Utah 84114 shall be included in the bid price. Notification and scheduling of delivery shall be made at least 24 hours in advance of intended delivery by contacting the Utah Division of Parks and Recreation, General Services Shop Supervisor at 801-538-7363.

**Successful bidder must deliver on or before November 15, 2003. If not delivered by November 15, 2003 a \$100 per day fine will be assessed against the full price of the machine until delivery.**